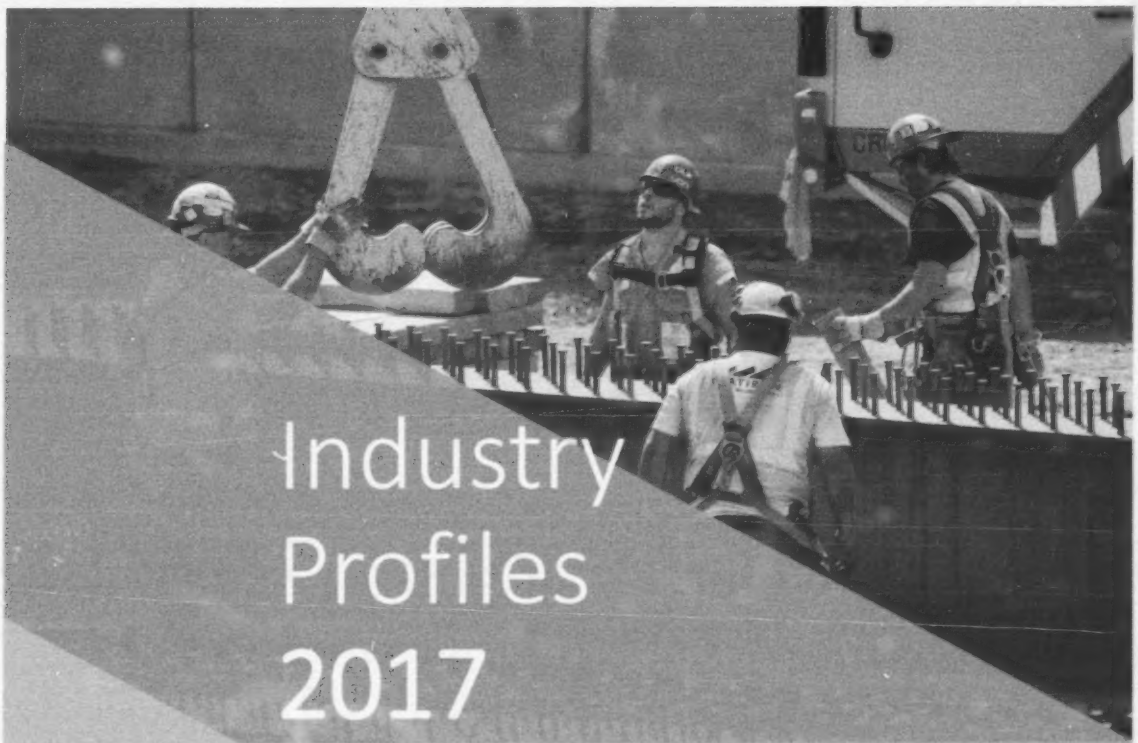

Industry Profiles 2017

Construction Industry

Alberta Government

OVERVIEW

The Construction industry[1] in Alberta includes establishments that:

- construct, repair or renovate residential buildings (i.e. houses, apartment buildings, condominiums);
- construct, repair or renovate business and commercial buildings
- (i.e. office towers, shops, malls);
- construct, repair or renovate industrial buildings (i.e. oil refineries, petrochemical plants, power plants);
- perform engineering works (i.e. highways, bridges, pipelines); and
- subdivide and develop land.

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2. Industry's Growth
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4. Size of Businesses in Alberta and the Industry
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3. Wages and Salaries
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[1] North American Industry Classification System (NAICS) 2007 major group 23

SECTION A
BUSINESS ENVIRONMENT

1. 2016 Employment and Unemployment Numbers and Rates

Table 1

	Alberta	Construction Industry
Employment	2,263,800	251,900
Employment Share	N/A	11.1%
Unemployment	200,800	25,200
Unemployment rate	8.1%	9.1%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0008, 2016
Note: Note: N/A denotes not-applicable. Employment share is obtained by dividing the number of employment in this industry by total employment in Alberta.

For more information on employment numbers or for a historical comparison, please go to the Labour Force Statistics[2] website or Statistics Canada[3].

2. Industry's Growth

- The Construction industry accounted for 11.1% of total employment in Alberta in 2016.
- Employment in this industry is expected to decrease at an average rate of -0.4% from 2016 to 2019[4].
- The industry is expected to account for 10.5% of total employment in Alberta in 2017.

For more information, see the Alberta Learning Information Service (ALIS)[5] website for descriptions of industries.

[2] See http://work.alberta.ca/labour/labour-force-statistics-and-annual-reviews.html
[3] See http://www.statcan.gc.ca
[4] Alberta Modified Canadian Occupational Projection System (COPS) Outlook 2015 – 2019, Industry Employment Outlook
[5] See http://www.alis.alberta.ca

3. Facts, Trends and Outlook

According to Statistics Canada's National Economic Accounts, the Construction industry accounted for approximately 10.1% of Alberta's Gross Domestic Product in 2015, up from 9.5% in 2005. Its contribution to Alberta's total employment increased from 9.2% in 2006 to 11.1% in 2016.

Total employment (the total number of employees and self-employed people, 15 years and over) in 2016 was 3.2% lower than its level in 2015. Over the last 10 years, employment increased by 75,300 from 2006, a 42.6% increase. There were 251,900 employed in the industry in 2016, of whom 92.5% were full time and 7.5% were part time.

Table 2

Characteristic	Alberta	Construction
Median Retirement Age (years)	63.3	65.5
Average Number of Hours Worked per Week	36.2	41.1
Multiple Jobholders (% of total employment)	5.9%	3.1%
Average Job Tenure (months)	90.2	81.9
Employees Under Union Coverage (%)	20.8%	14.8%
Employees Working Overtime per Week (%)	17.1%	21.9%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Tables 282-0022, 282-0031, 282-0042, 282-0078 and 282-0084, 2016, and custom tabulation (median retirement age)
Note: The percentage of multiple jobholders is obtained by dividing the number of multiple jobholders by total employment. This calculation method also applies to the percentage of employees under union coverage and the percentage of employees working overtime per week.

4. Size of Businesses in Alberta and the Industry

Table 3

Establishment Size	Businesses in Alberta		Businesses in Construction	
	Number of Employees	%*	Number of Employees	%*
Less than 20 employees	673,000	35.6%	81,400	45.7%
20 to 99 employees	671,400	35.5%	53,400	30.0%
100 to 500 employees	346,900	18.3%	31,600	17.7%
More than 500 employees	199,800	11.0%	11,800	6.6%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0076, 2016

* Percentages may not add up to 100 due to rounding

Note: Statistics Canada's survey methodology for determining establishment size differs from the one it uses in the Labour Force Survey to determine total employment. As a result, the total number of employees by establishment size will not be the same as total employment in the industry, except by coincidence.

SECTION B
HUMAN RESOURCES PROFILE

1. Occupational Information

Some examples of occupations in the Construction industry include:

- bricklayer;
- carpenter;
- electrician;
- roofer; and
- steam fitter-pipe fitter.

For a complete listing of all occupations related to this industry, as well as detailed information on education and skill requirements, visit the Alberta Occupational Profiles[6] website.

2. Demographics: Gender and Age

According to the Labour Force Survey, the gender breakdown in the Construction industry in 2016 was as follows:

- women employed: 32,200 people, or 12.8%
- men employed: 219,700 people, or 87.2%

Overall in Alberta, women accounted for 45.5% and men made up 54.5% of total employment (for all industries).

Table 4

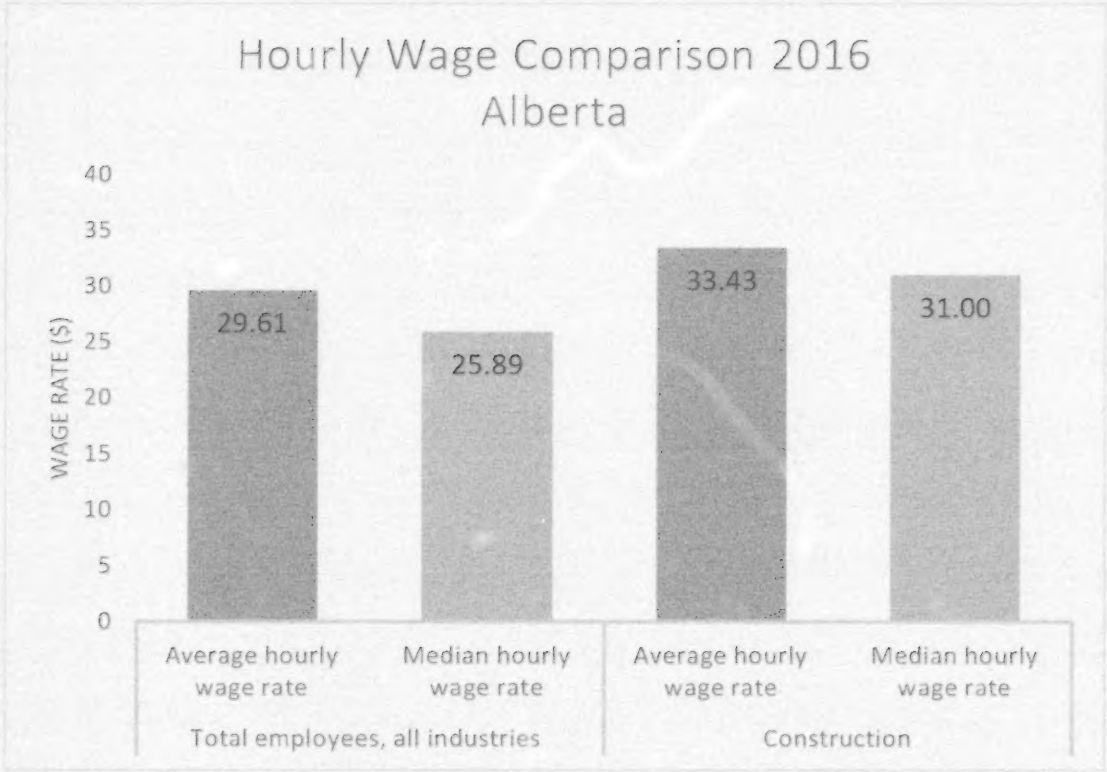
Age Characteristics	Employment in Alberta		Employment in Construction	
	Number	%*	Number	%*
15-24 years	303,200	13.4%	29,700	11.8%
25-54 years	1,536,000	67.9%	181,600	72.1%
55 years and over	424,600	18.8%	40,600	16.1%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0008, 2016
*Percentages may not add up 100 due to rounding.

[6] See http://occinfo.alis.alberta.ca/occinfopreview

3. Wages and Salaries

Chart 1



Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0072, 2016
Note: The average hourly wage is obtained by dividing the sum of the wages of all the employees by the total number of employees. The median hourly wage is that wage below which half the employees earn and above which half the employees earn.

Wage and Salary Information for Selected Occupations

Table 5

Occupation	Average Hourly Wage			Average Annual Salary
	Starting	Overall	Top	
Welders and related machine operator	$37.02	$42.99	$48.73	$99,994
Electrician	$32.53	$37.18	$43.08	$80,547
Carpenter	$29.93	$33.46	$39.93	$72,669
Steamfitter-Pipefitter	$27.44	$34.38	$42.63	$75,435

Data Source: 2015 Alberta Wage and Salary Survey

For more information on the *2015 Alberta Wage and Salary Survey*, refer to the WAGEinfo[7] website. For job descriptions, duties, skills and educational requirements of specific occupations in the Construction industry, visit the ALIS[8] website.

[7] See http://www.alis.alberta.ca/wageinfo

[8] See http://www.alis.alberta.ca

SECTION C
ADDITIONAL INFORMATION

Links to Industry Associations

- Alberta Construction Association (http://albertaconstruction.net)
- Alberta Construction Safety Association (http://www.acsa-safety.org)
- Alberta Roadbuilders and Heavy Construction Association (http://www.arhca.ab.ca)
- Calgary Construction Association (http://www.cca.cc)
- Calgary Region Home Builders Association (http://www.chbacalgary.com)
- Canadian Home Builders' Association - Alberta (http://chbaalberta.ca)
- Construction Owners Association of Alberta (http://www.coaa.ab.ca)
- Construction Sector Council (http://www.csc-ca.org)
- Edmonton Construction Association (http://www.edmca.com)
- Electrical Contractors Association of Alberta (http://www.ecaa.ab.ca)
- Merit Contractors Association (http://www.meritalberta.com)

Call us or visit our website for more information or to find the following publications:

- 2016 Annual Alberta Labour Market Review
- Monthly Alberta Labour Force Statistics Highlights and Packages
- Alberta's Occupational Demand and Supply Outlook
- Alberta Labour Force Profiles
- Alberta Industry Profiles

www.work.alberta.ca/labour.html (see Labour Market Information)
In Edmonton: 780.422.4266
Long distance: 1.800.661.3753

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